SE- Class test 2 Question Bank

DATA STRUCTURE

1. What is Linked list?Explain singly linked list?
2. Explain circular linked list & doubly linked list?
3. Implementation of stack and queue using Linked list?
4. Explain Binary Search Tree?
5. Explain BFS & DFS?
6. Explain Bubble sort?

Linux Operating System.

1. Explain Job Scheduling Tools: At, Batch & Cron?
2. Explain Computer Networks and TCP/IP?
3. Explain Types of Process States?
4. Explain related problems for Maintaining and Troubleshooting Linux?
5. Explain Shell Scripting, Variables Assignment and Parameters?
6. Explain various types of backup media?

Computer Network.

1. Define IPV4 addresses?
2. Explain in detail routing algorithms?
3. Define congestion control in virtual circuit?
4. Explain in detail transport layer protocol?
5. Write down features and services of TCP?
6. Difference between UDP & TCP?

Digital Electronics.

1. Explain Multiplexers & Demultiplexers?
2. Explain flip – flops: S-R & J-K?
3. Explain Types of Counters?
4. Explain Gray to Binary code converter?
5. Explain Combinational Circuit Design: Half and full adder & Half and full subtractor?
6. Explain Boolean Algebra Rules?